0005361946 *Drawing available*
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New HIV-NDK retrovirus and protein component - used in vaccines against immuno-deficiency disorders and in raising MAbs for retro-virus detection in vivo

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FR 2646606	A	19901109	FR 19895914	A	19890503	199101	E
EP 471028	**A**	**19920219**	**EP 1990908235**	**A**	**19900502**	**199208**	**E**
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Patent Details

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Alerting Abstract WO A
A highly cytopathogenic HIV-NDK retrovirus (I), having a sequence given in the specification, is new. Also new are mutants of (I), fragments of it and methods for preparing a protein and/or enzyme of the virus.
USE/ADVANTAGE - The protein is useful as an agent in a vaccine for preventing immunodeficiency disorders. Monoclonal antibodies (Abs) raised against the protein antigen are useful for detecting the presence of the retroviral proteins in a subject.

USE/ADVANTAGE - In an example, to compare the cytopathogenicity of the HIV1-BRU isolate and HIV1-NDK, a serum containing differing dilutions of the supernatant of virus released from cells containing it used to infect MT4 cells. The presence of syncitia was determined in the cell culture 7 days after infection. The results illustrated that stocks of HIV1-NDK (diluted by 10 power(-7)) were capable of inducing synicitia formation whereas the prototype HIV1 diluted up to power(-3) times did not produce a cytopathic effect.

Title Terms /Index Terms/Additional Words: NEW; HIV; RETROVIRUS; PROTEIN; COMPONENT; VACCINE; IMMUNO; DEFICIENT; DISORDER; RAISE; RETRO; VIRUS; DETECT; VIVO